



Material Content Data Sheet



Sales Product Name				IPP60R125CP		Issued		31. July 2018	
MA#				MA001674894					
Package				PG-TO220-3-1		Weight*		2035.49 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	13.508	0.66	0.66	6636	6636	
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	iron	7439-89-6	0.816	0.04		401		
	non noble metal	copper	7440-50-8	815.335	40.06	40.11	400559	401080	
	non noble metal	aluminium	7429-90-5	2.959	0.15	0.15	1454	1454	
wire	non noble metal	aluminium	7429-90-5	2.959	0.15	0.15	1454	1454	
encapsulation	organic material	carbon black	1333-86-4	5.849	0.29		2874		
	plastics	epoxy resin	-	111.136	5.46		54599		
	inorganic material	silicondioxide	60676-86-0	467.942	22.99	28.74	229892	287365	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10544	10544	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121	
solder	non noble metal	antimony	7440-36-0	0.576	0.03		283		
	noble metal	silver	7440-22-4	1.440	0.07		707		
	non noble metal	tin	7440-31-5	3.743	0.18	0.28	1839	2829	
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	iron	7439-89-6	0.590	0.03		290		
	non noble metal	copper	7440-50-8	589.466	28.96	29.00	289594	289971	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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